

ABSTRACT

[0068] A pad conditioning system for conditioning a polishing pad in conjunction with polishing of a workpiece includes a pad conditioning head coupled with a positioning unit. The pad conditioning head includes a conditioning surface that is configured to be moved into contact with a polishing pad to condition the polishing pad. The pad conditioning system also includes a polishing liquid supply port disposed in the conditioning surface. The polishing liquid supply port is configured to selectively discharge polishing liquid during the conditioning operation. The discharged polishing liquid is worked into the polishing pad by the pad conditioning head during the conditioning operation. A workpiece, such as a semiconductor wafer, that is also moved into contact with the polishing pad is polished using the discharged polishing liquid.

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